

In re: Sang-sik Park  
Serial No.: 09/399,995  
Filed: September 20, 1999  
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#### REMARKS

Applicant appreciates the detailed examination evidenced by the Office Action mailed January 27, 2005 (hereinafter "Office Action"). Applicant particularly appreciates the withdrawal of the rejections of the Office Action of September 8, 2004, and the indication that Claims 5, 6, 10 and 16 recite patentable subject matter. Applicant respectfully requests reconsideration and withdrawal of the newly-asserted rejections of Claims 1, 4, 7-9, 11-15, 17-20 and 22 based on the combination of U.S. Patent No. 5,872,484 to Hyncecek (hereinafter "Hyncecek") and U.S. Patent No. 4,152,595 to Garfinkel et al. (hereinafter "Garfinkel") for at least the reasons discussed below.

#### **Independent Claims 1, 14 and 20 are patentable over Hyncecek in view of Garfinkel**

Independent Claims 1, 14, and 20 stand rejected under 35 U.S.C. § 103 as unpatentable over Hyncecek in view of Garfinkel. The Office Action concedes "Hyncecek does not disclose that the feedback includes a capacitor therein so as to capacitively couple the buffer circuit output to the buffer circuit input." *Office Action*, p. 4. While this statement is true, it does not accurately reflect the language of the claims, and leads to a misapplication of Garfinkel in rejecting the claims.

In particular, the cited figure 1 of Garfinkel shows a charge sensing circuit in which a capacitor  $C_{FB}$  is connected between the output of a differential amplifier 23 and the *signal input terminal* of a source follower circuit 25. In contrast, Claim 1 recites "an output capacitively connected to *a bias terminal* of said input source follower circuit," Claim 14 recites "a feedback circuit connected to said output terminal and to said input source follower circuit and operative to variably couple the power source and *the bias terminal* via a capacitor," and Claim 20 recites "an output capacitively coupled to *a bias terminal* of said input source follower circuit." Hyncecek and Garfinkel, alone or in combination, do not disclose or suggest these recitations of Claims 1, 14, and 20. For at least this reason, Applicant submits that Claims 1, 14 and 20 are patentable over the combination of Hyncecek and Garfinkel, and requests withdrawal of the rejections of Claims 1, 14 and 20.

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**The dependent claims are patentable**

Applicant submits that the dependent claims are patentable at least by virtue of the patentability of the various ones of the independent claims from which they depend. Applicant further note the separate patentability of Claims 5, 6, 10 and 16 as indicated in the Office Action, and submit that others of the dependent claims have independent bases for patentability.

For example, Claim 4 recites "wherein said feedback circuit is operative to variably capacitively couple the bias terminal to the power source responsive to the output signal at the output terminal." Neither Hynecek nor Garfinkel disclose or suggest such recitations. In particular, as noted above, Hynecek shows no capacitive coupling, while Garfinkel shows no capacitive connection to a bias terminal, much less a variable capacitive coupling between the bias terminal and a power source. Accordingly, Claim 4 is separately patentable over Hynecek and Garfinkel. Similar reasons support the separate patentability of Claims 9 and 22.

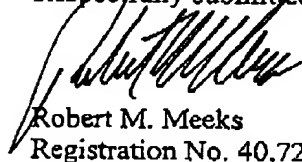
Claim 8 recites "wherein said feedback circuit is capacitively coupled to the *drain* terminal of the first transistor." Neither Hynecek, which shows no capacitive feedback connection, nor Garfinkel, which shows a capacitive connection to a *gate* terminal of a source follower input transistor, disclose or suggest such a coupling to a drain terminal. Accordingly, Claim 8 is separately patentable over Hynecek and Garfinkel. Similar reasoning supports the separate patentability of Claim 15.

**Conclusion**

Applicant respectfully requests withdrawal of the rejections of the claims for at least the reasons discussed above. Applicant further requests allowance of the claims and passing of the application to issue in due course. Applicant encourages the Examiner to contact the undersigned by telephone to address any remaining issues.

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Respectfully submitted,

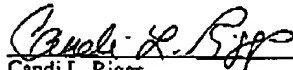


Robert M. Meeks  
Registration No. 40,723  
Attorney for Applicant(s)

USPTO Customer No. 20792  
Myers Bigel Sibley & Sajovec  
Post Office Box 37428  
Raleigh, North Carolina 27627  
Telephone: 919/854-1400  
Facsimile: 919/854-1401

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Candi L. Riggs